

DEPARTMENT OF THE NAVY
OFFICE OF NAVAL RESEARCH
WASHINGTON 25, D.C.

CONTRACT NUMBER: N6onr-251
TASK ORDER: II
AMENDMENT NUMBER: 7

ONR:263:HF:mvc
N6onr-251
(Mathematical Sciences Division)

The Board of Trustees of the Leland
Stanford Jr. University
Palo Alto, California

27 MAR 1950

Gentlemen:

To extend the overhead presently established under Task Order II of Contract N6onr-251 to December 31, 1950 in accordance with the provisions of Section 4(a)(7) of the contract, said Task Order, as amended, is hereby further amended by deleting the date "December 31, 1949" under the tabulation in Section D and substituting in lieu thereof the date "December 31, 1950."

This amendment makes no change in the estimated cost of Task Order II.

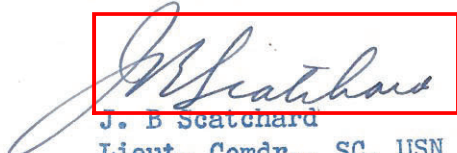
Original Executed Copy

CONTRACT NO. 116onr-251
TASK ORDER 11
AMENDMENT NO. 7

This amendment is made pursuant to the provisions of Section 4(a)(7) of the contract.

If the foregoing is acceptable to you, please indicate your acceptance thereof by executing the enclosed two (2) copies of this letter, and return them to the Office of Naval Research, whereupon this letter and your acceptance thereof will constitute this an amendment to the above numbered. Task Order.

Very truly yours,


J. B. Scatchard
Lieut. Comdr., SC, USN
Contracting Officer
Office of Naval Research
Department of the Navy

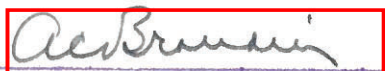
The Board of Trustees of the
ACCEPTED Leland Stanford Jr. University
(Contractor)

WITNESSES:

(1)


(2)

NOTE: in the case of a corporation
witnesses are not required but
certificate below must be completed.

By 
Alf E. Brandin
TITLE Business Manager

CERTIFICATE

I, IRA S. LILICK, certify that I am
the Secretary of the corporation named as Contractor in the foregoing amend-
ment; that ALF E. BRANDIN, who signed said amendment on behalf of the Con-
tractor was then BUSINESS MANAGER of said corporation; that said amendment
was duly signed for and in behalf of said corporation by authority of its governing body and is within the scope
of its corporate powers.


(Signature of person certifying)

(CORPORATE SEAL)

DEPARTMENT OF THE NAVY
OFFICE OF NAVAL RESEARCH
WASHINGTON 25, D. C.

CONTRACT NUMBER:	N6onr-251	ONR:262:JFB:cm
TASK ORDER:	II	N6onr-251
AMENDMENT NUMBER:	6	(Mathematical Sciences Division)
AUTHORITY:	NR 041-943/2-23-50	
APPROPRIATION:	(See last paragraph hereof)	
INCREASE:	\$40,000.00	

The Board of Trustees of
the Leland Stanford Jr. University
Stanford University, California

28 MAR 1950

Gentlemen:

It is the desire of the Government and the Contractor that additional research in the field of non-linear mechanics be performed. To accomplish this, there are hereby provided an extension in the period of performance and an increase in the estimated cost of Task Order II under Contract N6onr-251.

In consideration of the foregoing, said Task Order, as amended, is hereby further amended as follows:

1. At the top of page 1, delete the Appropriations and Estimated Cost in their entirety and substitute in lieu thereof the following:

APPROPRIATIONS:	1770317, Research, Navy, 1947 (Expenditure Account 46114) (Object Classification 079)	-	\$26,680.00
	1770601, Maintenance, Bureau of Ships, 1947 (Expenditure Account 46399) (Object Classification 079)	-	31,233.00
	1780317, Research, Navy, 1948 (Expenditure Account 46110) (Object Classification 079) Program Number 12000	-	3,000.00
	1790317, Research, Navy, 1949 (Expenditure Account 46110) (Object Classification 079) Program Number 12000	-	20,000.00
	17X1888 Naval Working Fund (Expenditure Account 98018) (Object Classification 079) Special Allotment 91417)	-	20,000.00

Original Executed Copy

CONTRACT NUMBER:
TASK ORDER:
AMENDMENT NUMBER:

r-251
11
6

ONR:262:JFB:cm
N6onr-251
(Mathematical Sciences
Division)

57X4600
(P615-07)
(S33-038)
(P.O. (33-038) R-MCRR-50086-N)
Allotment Number 063-1700 = \$20,000.00

1701317, Research, Navy, 1950
(Expenditure Account 46110)
(Object Classification 079)
Program Number 32000 = 20,000.00

"ESTIMATED COST: \$140,913.00."

2. Delete Section B in its entirety and substitute in lieu thereof the following:

"SECTION B - The estimated cost of the performance of this Task Order is one hundred forty thousand nine hundred thirteen dollars (\$140,913.00)."

3. Delete Section F in its entirety and substitute in lieu thereof the following:

"SECTION F - The performance of work under this Task Order shall commence on 15 December 1946, and shall be completed on 31 August 1951."

4. On and after 1 April 1950, Section I shall read as follows?

"SECTION I - The Contractor agrees that there will be delivered under this contract only such unmanufactured articles, materials, and supplies (which term 'articles, materials, and supplies' is hereinafter referred to in this clause as 'supplies') as have been mined or produced in the United States, and only such manufactured supplies as have been manufactured in the United States substantially all from supplies mined, produced, or manufactured, as the case may be, in the United States. Pursuant to the Buy American Act (41 U. S. Code 10 a-c), the foregoing provision shall not apply (i) with respect to supplies excepted by the Secretary from the application of that Act, (ii) with respect to supplies for use outside the United States, (iii) with respect to the supplies to be delivered under this contract which are of a class or kind determined by the Secretary or his duly authorized representative not to be mined, produced, or manufactured, as the case may be, in the United States in sufficient and reasonably available commercial quantities and of a satisfactory quality, or (iv) with respect to such supplies, from which the supplies to be delivered under this contract are manufactured, as are of a class or kind determined by the Secretary or his duly authorized representative not to be mined, produced, or manufactured, as the case may be, in the United States in sufficient and reasonably available commercial quantities and of a satisfactory quality, provided that this exception (iv) shall not permit delivery of supplies manufactured outside the United States if such supplies are manufactured in the United States in sufficient and reasonably available commercial quantities and of a satisfactory quality."

CONTRACT NUMBER: 6onr-251
TASK ORDER: II
AMENDMENT NUMBER: 6

R:262:JFB:cm
N6onr-251
(Mathematical Sciences
Division)

This amendment increases the total estimated cost of Task Order II by \$40,000.00, which increase is chargeable against Appropriations as follows:

57X4600
(P615-07)
(S33-038)
(P.O. (33-038) R-MCRR-50086-D)
Allotment Number 063-1700 - \$20,000.00

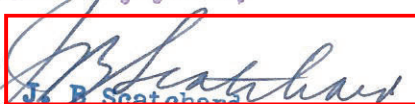
1701317, Research, Navy, 1950
(Expenditure Account 46110)
(Object Classification 079)
Program Number 32000 - 20,000.00.

CONTRACT NO. N6onr-251
TASK ORDER II
AMENDMENT NO. 6

This amendment is made pursuant to the provisions of Section 2(c)5 of the Armed Services Procurement Act of 1947 (Public Law 413, 80th Congress), and any required determination and findings with respect thereto has been made.

If the foregoing is acceptable to you, please indicate your acceptance thereof by executing the enclosed two (2) copies of this letter, and return them to the Office of Naval Research, whereupon this letter and your acceptance thereof will constitute this an amendment to the above numbered Task Order.

Sincerely yours,



J. B. Scatchard
Lieut. Comdr., SC, USN
Contracting Officer
Office of Naval Research
Department of the Navy

THE BOARD OF TRUSTEES OF
THE LELAND STANFORD JR.
UNIVERSITY

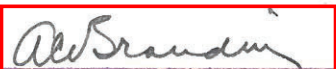
ACCEPTED _____
(Contractor)

WITNESSES:

(1) _____

(2) _____

NOTE: in the case of a corporation
witnesses are not required but
certificate below must be completed.

By  _____
Alf E. Brandin
TITLE Business Manager _____

CERTIFICATE

I, IRA S. LILICK, certify that I am
the Secretary of the corporation named as Contractor in the foregoing amendment; that ALF E. BRANDIN, who signed said amendment on behalf of the Contractor was then BUSINESS MANAGER of said corporation; that said amendment was duly signed for and in behalf of said corporation by authority of its governing body and is within the scope of its corporate powers.


(Signature of person certifying)

(CORPORATE SEAL)

DEPARTMENT OF THE NAVY
OFFICE OF NAVAL RESEARCH
WASHINGTON 25, D. C.

EXOS:ONR:262D
N6onr-251
(Mathematical Sciences Division)

CONTRACT NUMBER: N6onr-251
TASK ORDER: II
AMENDMENT NUMBER: 5
AUTHORITY: NR 041-943/3-9-49
APPROPRIATION: (See last paragraph
hereof)
INCREASE: \$40,000.00

March 30, 1949

The Board of Trustees of the Leland
Stanford Jr. University
Stanford University, California

Gentlemen:

It is the desire of the Government and the Contractor that additional research in the field of non-linear mechanics be performed. To accomplish this, there are hereby provided an extension in the period of performance of Task Order II under Contract N6onr-251 and an increase in the estimated cost thereof.

In consideration of the foregoing, said Task Order, as amended, is hereby further amended as follows:

1. At the top of page 1, add the following under Appropriations:

"1790317, Research, Navy, 1949
(Expenditure Account 46110)
(Object Classification 079)
Program Number 12000 - \$20,000.00

17X0888 Naval Working Fund
(Expenditure Account 98018)
(Object Classification 079)
Special Allotment 91417 - \$20,000.00

NOTE: The Disbursing Officer making payments under this Task Order will reference the Special Allotment number under the Naval Working Fund on every public voucher which he prepares indicating charges to the fund, Appropriation symbol 17X0888."

2. At the top of page 1, delete the Estimated Cost in its entirety and substitute in lieu thereof the following:

"ESTIMATED COST: \$100,913.00."

CONTRACT NUMBER: N6onr-251
TASK ORDER: II
AMENDMENT NUMBER: 5

3. Delete Section B in its entirety and substitute in lieu thereof the following:

"SECTION B - The estimated cost of the performance of this Task Order is one hundred thousand nine hundred thirteen dollars (\$100,913.00)."

4. Delete Section C in its entirety and substitute in lieu thereof the following:

"SECTION C - The Scientific Officer under this Task Order is the Head, Mathematics Branch, Mathematical Sciences Division, Office of Naval Research."

5. Under the tabulation in Section D, add the following:

"40%	October 1, 1948	December 31, 1949."
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6. Delete Section F in its entirety and substitute in lieu thereof the following:

"SECTION F - The performance of the work under this Task Order shall commence on December 15, 1946, and shall be completed on March 31, 1950."

7. Add the following new Sections:

"SECTION H - Effective April 1, 1949, the Contractor, in connection with the performance of this Task Order, shall not employ any persons undergoing sentences of imprisonment at hard labor which have been imposed by courts of the several states, territories or municipalities having criminal jurisdiction.

"SECTION I - Effective April 1, 1949, subject to exemptions granted by the Secretary of the Navy, or except as otherwise provided herein, it is understood and agreed that only such unmanufactured articles, materials, and supplies as have been mined or produced in the United States, and only such manufactured articles, materials, and supplies as have been manufactured in the United States substantially all from articles, materials, or supplies mined, produced, or manufactured, as the case may be, in the United States, shall be delivered pursuant hereto. The provisions of this Section shall not apply with respect to articles, materials, or supplies for use outside the United States, or if articles, materials, or supplies of the class or kind to be used, or the articles, materials, or supplies from which they are manufactured are not mined, produced, or manufactured, as the case may be, in the United States in sufficient and reasonably available commercial quantities and of a satisfactory quality.

CONTRACT NUMBER: N6onr-251
TASK ORDER: II
AMENDMENT NUMBER: 5

"SECTION J - Effective April 1, 1949, in addition to requirements set forth in Section 3 of the contract, entitled 'Subcontracts and Purchase Orders,' the Contractor shall give advance notification to the Contracting Officer or his authorized representative before entering into any subcontract or purchase order incident to the performance of this Task Order which

- (i) is on a cost or cost-plus-fixed-fee basis, or
- (ii) is on a fixed-price basis exceeding in dollar amount \$25,000.00 or 5% of the total estimated cost of this Task Order.

"SECTION K - Termination by the Government: In lieu of the provisions of Section 10 of the contract, entitled 'Termination by the Government,' the following provision shall be applicable to this Task Order:

"The performance of work under this Task Order may be terminated by the Government whenever the Contracting Officer shall determine that such action is for the best interests of the Government. If this Task Order is so terminated, the Government shall reimburse the Contractor for the costs and expenses specified in subparagraphs (1), (2), and (3) of paragraph (d) of the Uniform Termination Article, which is set forth in paragraph 932 of the War and Navy Department Joint Termination Regulation, to the extent that the provisions of said Uniform Termination Article may be applicable to the work hereunder.

"SECTION L - Effective April 1, 1949, in the event that the work under this Task Order is terminated in whole, or from time to time in part, at the option of the Government pursuant to the provisions of Section K of this Task Order, the Government shall not be obligated to pay to the Contractor any amount for anticipatory profits resulting from the termination or cancellation of any subcontract or order relating to this Task Order."

This amendment increases the total estimated cost of Task Order II by \$40,000.00, which increase is chargeable against Appropriations as follows:

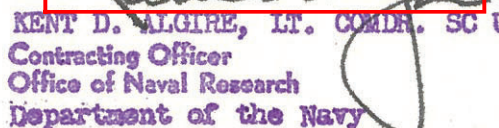
1790317, Research, Navy, 1949 (Expenditure Account 46110) (Object Classification 079) Program Number 12000	- \$20,000.00
17X0888 Naval Working Fund (Expenditure Account 98018) (Object Classification 079) Special Allotment 91417	- \$20,000.00.

CONTRACT NO. : N6onr-251
TASK ORDER : II
AMENDMENT NO.: 5

This amendment is made pursuant to the provisions of Section 2(c)5 of the Armed Services Procurement Act of 1947 (Public Law 413, 80th Congress), and any required determination and findings with respect thereto has been made.

If the foregoing is acceptable to you, please indicate your acceptance thereof by executing the enclosed two (2) copies of this letter, and return them to the Office of Naval Research, whereupon this letter and your acceptance thereof will constitute this an amendment to the above numbered Task Order.

Very truly yours,


KENT D. ALGIRE, LT. COMDR. SC USN
Contracting Officer
Office of Naval Research
Department of the Navy

WITNESSES:

The Board of Trustees of the
ACCEPTED Ieland Stanford Jr. University
(Contractor)

(1)



(2)

By 

TITLE ASSISTANT BUSINESS MANAGER

NOTE: in the case of a corporation
witnesses are not required but
certificate below must be completed.

CERTIFICATE

I, Charles R. Blyth, certify that I am
the Assistant Secretary of the corporation named as Contractor in the foregoing amendment; that E. S. Erwin, who signed said amendment on behalf of the Contractor was then Assistant Business Manager of said corporation; that said amendment was duly signed for and in behalf of said corporation by authority of its governing body and is within the scope of its corporate powers.


(Signature of person certifying)

(CORPORATE SEAL)

NAVY DEPARTMENT
OFFICE OF NAVAL RESEARCH
WASHINGTON 25, D. C.

EXOS:ONR:262B
N6onr-251
(Physical Sciences Division)

CONTRACT NUMBER: N6onr-251
TASK ORDER: II
AMENDMENT NUMBER: 4
AUTHORITY: PD ENL-22/9998-47 and
NR 041 943/6-11-48
APPROPRIATION: (See last paragraph
hereof)
INCREASE: \$2,500.00

10 SEP 1948

The Board of Trustees of the
Leland Stanford Jr. University
Stanford University, California

Gentlemen:

Due to increases in the cost of salaries and materials, the cost of work to be performed under Task Order II of Contract N6onr-251 has proved to be in excess of that originally contemplated. In order to permit completion of the research under said Task Order, it is the desire of the Government and the Contractor that the estimated cost be increased in accordance with the provisions set forth in Section 2 of the Contract.

In consideration of the above, said Task Order, as amended, is hereby further amended as follows:

1. From the top of page 1, delete the figure "\$24,180.00" after the Appropriation 1770317, Research, Navy, 1947, and substitute in lieu thereof the figure "\$26,680.00".
2. Delete the Estimated Cost in its entirety and substitute in lieu thereof the following:

"ESTIMATED COST: \$ 60,913.00".

3. Delete Section B in its entirety and substitute in lieu thereof the following:

"SECTION B - The estimated cost of the performance of this Task Order is sixty thousand nine hundred thirteen dollars (\$60,913.00)."

This amendment increases the total estimated cost of Task Order II by \$2,500.00, which increase is chargeable against Appropriation 1770317, Research, Navy, 1947 (Expenditure Account 46114) (Object Classification 079).

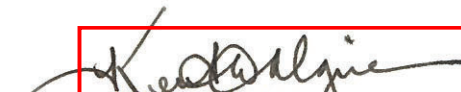
Original Executed Copy

CONTRACT NO. : N6onr-251
TASK ORDER: II
AMENDMENT NO.: 4

This amendment is made pursuant to the provisions of Section 2(c)5 of the Armed Services Procurement Act of 1947 (Public Law 413, 80th Congress), and any required determination and findings with respect thereto has been made.

If the foregoing is acceptable to you, please indicate your acceptance thereof by executing the enclosed two (2) copies of this letter, and return them to the Office of Naval Research, whereupon this letter and your acceptance thereof will constitute this an amendment to the above numbered Task Order.

Very truly yours,


KENT D. ALGIRE
Lieut. Comdr., SC, USN
Contracting Officer
Office of Naval Research
Navy Department

THE BOARD OF TRUSTEES OF
ACCEPTED THE LELAND STANFORD JR. UNIVERSITY
(Contractor)

WITNESSES

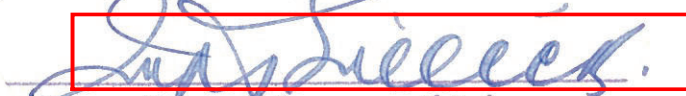

(1)

By 
TITLE Business Manager

(2)
NOTE: in the case of a corporation
witnesses are not required but
certificate below must be completed.

CERTIFICATE

I, IRA S. LILLICK, certify that I am
the Secretary of the corporation named as Contractor in the foregoing amend-
ment; that ALF E. BRANDIN, who signed said amendment on behalf of the Con-
tractor was then BUSINESS MANAGER of said corporation, that said amendment
was duly signed for and in behalf of said corporation by authority of its governing body and is within the scope
of its corporate powers.


(Signature of person certifying)

(CORPORATE SEAL)

NAVY DEPARTMENT
OFFICE OF NAVAL RESEARCH
WASHINGTON 25, D. C.

EXOS:OMR:N366
N6onr-251
(Physical Sciences Division)

CONTRACT NUMBER: N6onr-251
TASK ORDER: II
AMENDMENT NUMBER: 3
AUTHORITY: PD ENL-22/95644-48
APPROPRIATION: (See subparagraph
1 below)
INCREASE: \$3,000.00

The Board of Trustees of the Leland
Stanford Jr. University
Palo Alto, California

Gentlemen:

The Government is furnishing a five ton dynamical pendulum for additional experimentation in connection with the research being conducted under Task Order II of Contract N6onr-251. In order to install and equip the pendulum for use in the current studies being made under this project, a further increase in the estimated cost is necessary.

In consideration of the foregoing, Task Order II to Contract N6onr-251 is hereby further amended as follows:

1. At the top of page 1, delete the Appropriation and Estimated Cost in their entirety and substitute in lieu thereof the following:

"Appropriations: 1770317, Research, Navy, 1947
(Expenditure Account 46114)
(Object Classification 079) - \$24,180.00

1770301, Maintenance, Bureau
of Ships, 1947
(Expenditure Account 46399)
(Object Classification 079) - \$31,233.00

1760317, Research, Navy, 1948
(Expenditure Account 46110)
(Object Classification 079)
Program Number 12000 - \$ 3,000.00

"Estimated Cost: \$58,413.00".

Original Executed Copy

CONTRACT NUMBER: N6onr-251
TASK ORDER: II
AMENDMENT NUMBER: 3

2. Delete Section B in its entirety and substitute in lieu thereof the following:

"SECTION B - The estimated cost of the performance of this Task Order is fifty eight thousand four hundred thirteen dollars (\$58,413.00)."

3. Add the following new Section G:

"SECTION G - Effective February 2, 1948, the Contractor agrees, in addition to the terms and conditions set forth in Section 15 of the contract entitled 'Patent Rights', (i) to grant to the Government, upon request, title to the foreign rights in each Subject Invention, as defined in said Section 15, (ii) not knowingly to publish or cause to be published a disclosure of such invention until permission shall have first been obtained from the Contracting Officer or his designee, and (iii) to deliver to the Contracting Officer or his designee, duly executed, such instrument of assignment, application papers and rightful oaths, prepared by the Government, as the Contracting Officer or his designee deems necessary to vest in the Government the sole and exclusive ownership in patent applications and any patents that may issue thereon and the right to apply for and prosecute such patent applications, but limited to countries other than the United States of America, covering each Subject Invention."

This amendment increases the total estimated cost of Task Order II by \$3,000.00, which increase is chargeable against the Appropriation 1780317, Research, Navy, 1948 (Expenditure Account 46110) (Object Classification 079) Program Number 12000.

CONTRACT NO. N6onr-251
TASK ORDER II
AMENDMENT NO. 3

This amendment is made pursuant to the provisions of the Act of August 1, 1946, Public Law 588, 79th Congress.

If the foregoing is acceptable to you, please indicate your acceptance thereof by executing the enclosed two (2) copies of this letter, and return them to the Office of Naval Research, whereupon this letter and your acceptance thereof will constitute this an amendment to the above numbered Task Order.

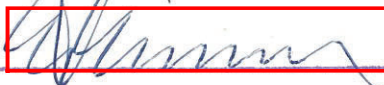
Very truly yours,




P. F. LEE
Rear Admiral, USN

Chief of Naval Research
Contracting Officer
Office of Naval Research
Navy Department

The Board of Trustees of the WITNESSES:
ACCEPTED Island Stanford Jr. University
(Contractor)


(1) 

By 
ALF E. BRANDIN
Business Manager
TITLE
STANFORD UNIVERSITY, CAL

(2) NOTE: In the case of a corporation witnesses are not required but certificate below must be completed.

CERTIFICATE

I, IRA S. LILLOCK, Secretary of the corporation named as Contractor in the foregoing amendment; that ALF E. BRANDIN, Business Manager, who signed said amendment on behalf of the Contractor was then duly signed for and in behalf of said corporation by authority of its governing body and is within the scope of its corporate powers.


(Signature of person certifying)

(CORPORATE SEAL)

NAVY DEPARTMENT
OFFICE OF NAVAL RESEARCH
WASHINGTON 25, D.C.

EXOS:ONR:W366
N6onr-251
(Physical Sciences Division)

CONTRACT NUMBER: N6onr-251
TASK ORDER: II
AMENDMENT NUMBER: 2

The Board of Trustees of
The Leland Stanford Jr. University
Palo Alto, California

25 AUG 1947

Gentlemen:

In consideration of the acceptance of a negotiated fixed overhead rate for the period extending to September 30, 1948, Task Order II of Contract N6onr-251, as amended, is hereby further amended as follows:

Delete Section D in its entirety and substitute in lieu thereof the following:

"SECTION D - The percentage to be applied with respect to this Task Order in accordance with Section 4(a)(7) of the contract shall be a fixed percentage, in the amount or amounts, and for the period or periods, specified below:

	Period for which Applied
	From To
<u>8</u>	December 15, 1946 September 30, 1948"
40%	

This amendment involves no change in the estimated cost of Task Order II.

Original Executed Copy

CONTRACT NO. N6onr-251
TASK ORDER II
AMENDMENT NO. 2

This amendment is made pursuant to the provisions of the Act of August 1, 1946, Public Law 588, 79th Congress.

If the foregoing is acceptable to you, please indicate your acceptance thereof by executing the enclosed two (2) copies of this letter, and return them to the Office of Naval Research, whereupon this letter and your acceptance thereof will constitute this an amendment to the above numbered Task Order.

Very truly yours,



P. F. LEE
Rear Admiral, USN

Chief of Naval Research
Contracting Officer
Office of Naval Research
Navy Department

WITNESSES:

The Board of Trustees of the Leland Stanford Jr. University
(Contractor)

BY


ALF E. BRANDIN

TITLE

Business Manager

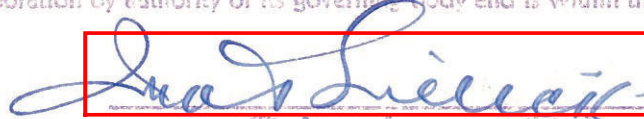
(1) _____

(2) _____

NOTE: In the case of a corporation
witnesses are not required but
certificate below must be completed.

CERTIFICATE

I, **IRA S. LILLYCK**, Secretary of the corporation named as Contractor in the foregoing amendment, that **ALF E. BRANDIN**, who signed said amendment on behalf of the Contractor was then **BUSINESS MANAGER** of said corporation; that said amendment was duly signed for and in behalf of said corporation by authority of its governing body and is within the scope of its corporate powers.


(Signature of person certifying)

(CORPORATE SEAL)

NAVY DEPARTMENT
OFFICE OF NAVAL RESEARCH
WASHINGTON 25, D.C.

EXOS:ONR:N362-D
N6ori-251
(Physical Sciences Division)

Contract Number: N6ori-251
Task Order: II
Amendment Number: 1
Appropriation: (See subpara-
graph 1, below)
Increase: \$31,233.00

This amendment to be treated for Navy accounting
purposes as a legal obligation in the amount

of \$ 31,233.00

The Board of Trustees of the Leland
Stanford, Jr., University
Palo Alto, California

June 20, 1947

Gentlemen:

It is the desire of the Government and the Contractor that the research being performed under Task Order II of Contract N6ori-251 be continued beyond the period specified in Section F of the said Task Order, and it is understood that the Contractor will supply the additional services and materials necessary for this purpose.

In consideration of the above, Task Order II to Contract N6ori-251 is hereby amended as follows:

1. At the top of page 1, delete the Appropriation and Estimated Cost in their entirety and substitute in lieu thereof the following:

"Appropriation:	1770317, Research, Navy, 1947 (Expenditure Account 46114)	- \$24,180.00
	1770601, Maintenance, Bureau of Ships, 1947 (Expenditure Account 46399) (Object Classi- fication 079)	- \$31,233.00
"Estimated Cost:	\$55,413.00"	

2. Delete Section B in its entirety and substitute in lieu thereof the following:

"SECTION B - The estimated cost of the performance of this Task Order is fifty five thousand four hundred thirteen dollars (\$55,413.00)."

3. Delete Section C in its entirety and substitute in lieu thereof the following:

"SECTION C - The Scientific Officer under this Task Order is the Head of the Mathematics Branch, Physical Sciences Division, Office of Naval Research".

4. Delete Section E in its entirety and substitute in lieu thereof the following:

"SECTION E - The Contractor shall submit final reports upon completion of work hereunder, making full disclosure of all research conducted, and shall submit such other reports as are required by the Scientific Officer."

5. Delete Section F in its entirety and substitute in lieu thereof the following:

"SECTION F - The performance of the work under this Task Order shall commence on December 15, 1946 and shall terminate on March 31, 1949."

The Contractor releases the Government, its officers, agents and employees of and from any and all liability or claims arising out of Letter of Intent for Amendment No. 1 to Task Order II under Contract N6cxi-251, dated June 20, 1947, which Letter of Intent is superseded by this amendment.

This amendment increases the estimated cost of Task Order II, by \$31,233.00, which increase is chargeable against the Appropriation 1.770601, Maintenance, Bureau of Ships, 1947 (Expenditure Account 46399) (Object Classification 079).

CONTRACT NO. N6ori-251
TASK ORDER II
AMENDMENT NO. 1

This amendment is made pursuant to the provisions of the Act of August 1, 1946, Public Law 588, 79th Congress.

If the foregoing is acceptable to you, please indicate your acceptance thereof by executing the enclosed two (2) copies of this letter, and return them to the Office of Naval Research, whereupon this letter and your acceptance thereof will constitute this an amendment to the above numbered. **Task Order.**

Very truly yours,

P. F. LEE
Rear Admiral, USN

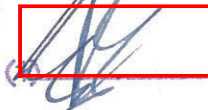



Chief of Naval Research
Contracting Officer
Office of Naval Research
Navy Department

WITNESSES:

The Board of Trustees of the Leland Stanford Jr. University

ACCEPTED: _____
(Contractor)

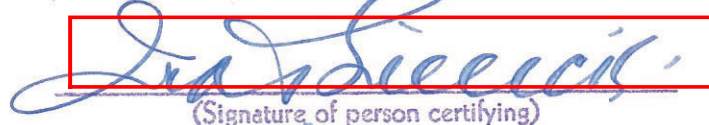


BY 
Alf E. Brandin
TITLE Business Manager

(2) NOTE: In the case of a corporation witnesses are not required but certificate below must be completed.

CERTIFICATE

I, IRA S. LILLYCK, certify that I am the Secretary of the corporation named as Contractor in the foregoing amendment; that ALF E. BRANDIN, who signed said amendment on behalf of the Contractor was then BUSINESS MANAGER of said corporation; that said amendment was duly signed for and in behalf of said corporation by authority of its governing body and is within the scope of its corporate powers.


(Signature of person certifying)

(CORPORATE SEAL)

NAVY DEPARTMENT
OFFICE OF NAVAL RESEARCH

December 15, 1946

TASK ORDER II - Constituting a Part of Contract N6onr-251 with The
Board of Trustees of the Leland Stanford Jr. University.

AUTHORITY: PD MM1-22/95627-47 (Planning Division).

APPROPRIATION: 1770317, Research, Navy, 1947
(Expenditure Account 46114)

ESTIMATED COST: \$24,180.00

SECTION A - The work to be performed by the Contractor hereunder shall consist of the following:

The Contractor shall furnish the necessary personnel and facilities for and conduct, in accordance with any instructions issued by the Scientific Officer or his authorized representative, fundamental research on non-linear differential equations, with particular emphasis on non-linear oscillations.

SECTION B - The estimated cost of the performance of this Task Order is twenty four thousand one hundred eighty dollars (\$24,180.00).

SECTION C - The Scientific Officer under this Task Order is the Director, Planning Division, Office of Naval Research.

SECTION D - The overhead percentage to be applied in accordance with Section 4(a)(7) of the contract shall be a fixed rate of forty percent (40%). The period after which such fixed rate shall be subject to revision under the provisions of Section 4(a)(7) of the contract shall be seventy five (75) days in lieu of six (6) months from the date of this Task Order.

SECTION E - The Contractor shall submit progress reports every three months and, upon completion or termination of this Task Order, shall submit a final report setting forth all published or unpublished results.

SECTION F - The performance of the work under this Task Order shall commence on December 15, 1946 and shall terminate on December 14, 1947.

Task Order II

This said Task Order is entered into pursuant to the provisions of the Act of August 1, 1946, Public Law 568, 79th Congress.

The execution of this Task Order by the Contractor and the Government shall constitute this Task Order a part of Contract No. Conr. 251 and be the agreement of the parties for the performance of the work herein specified. It accords with the terms of such contract. In the event of any conflict between the terms contained in the parts of this contract, those contained in this Task Order shall be controlling with respect to the works to be performed thereunder.

IN WITNESS WHEREOF the parties hereto have executed this Task Order as of the day and year first above written.

UNITED STATES OF AMERICA

By P.F. LEE P.F. LEE, Rear Adm., USN
Chief of Naval Research
Contracting Officer
Office of Naval Research
Navy Department

WITNESSES:

(1) _____

The Board of Trustees of the Leland Stanford Jr. University
(Contractor)

(2) _____

By Alf E. Brandin
TITLE Business Manager

NOTE: In the case of a corporation witnesses are not required but certificate below must be completed.

STANFORD UNIVERSITY, CAL.
(Business Address of Contractor)

CERTIFICATE

I, IRA S. LILICK, certify that I am
the Secretary of the corporation named as Contractor in the foregoing Task
Order; that ALF E. BRANDIN, who signed said Task Order on behalf of the
Contractor was then Business Manager of said corporation; that said Task
Order was duly signed for and in behalf of said corporation by authority of its governing body and is within the
scope of its corporate powers.

Ira S. Lilick
(Signature of person certifying)

(CORPORATE SEAL)

DEPARTMENT OF THE NAVY
OFFICE OF NAVAL RESEARCH
WASHINGTON 25, D. C.

CONTRACT NUMBER: N6onr-251
TASK ORDER: II
AMENDMENT NUMBER: 11

ONR:610:JWS:bs
N6onr-251
(Mathematical Sciences
Division)

The Board of Trustees of the
Leland Stanford Jr. University
Stanford University, California

25 AUG 1953

Gentlemen:

At the request of the Government, the research being performed under Task Order II of Contract N6onr-251 during the current period of the contract has not progressed at the rate originally contemplated. In order that the research may be completed as originally contemplated, it is the desire of the Government and the Contractor that the period of performance of said Task Order be extended.

In consideration of the foregoing, said Task Order, as amended, is hereby further amended as follows:

1. Delete Section F in its entirety and substitute in lieu thereof the following:

"SECTION F - The performance of work under this Task Order shall commence on 15 December 1946, and shall be completed on 31 December 1954."

2. In consideration of the Contractor concurrently entering into Amendment Number 7 to Contract N6onr-251, on and after the date of this amendment the provisions of Section J of this Task Order shall not apply.

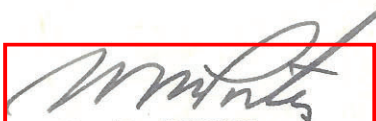
3. On and after the date of this amendment, the provisions of Sections K and L of this Task Order shall not apply.

This amendment makes no change in the estimated cost of Task Order II.

ORIGINAL EXECUTED COPY

If the foregoing is acceptable to you please indicate your acceptance thereof by executing the enclosed two (2) copies of this letter, and return them to the Office of Naval Research, whereupon, this letter and your acceptance thereof will constitute this an amendment to the contract.

Sincerely yours,



W. M. PORTER
CDR, SC, USN
Contracting Officer
Office of Naval Research
Department of the Navy

ACCEPTED

The Board of Trustees of the Leland Stanford Jr. University
(Contractor)


WITNESSES:

(1) _____

(2) _____

NOTE: In the case of a corporation witnesses are not required but certificate below must be completed.

BY



ALF E. Brandin

TITLE

Business Manager

CERTIFICATE

I, IRA S. LILLICK
the

Secretary of the corporation named as Contractor
in the foregoing amendment; that ALF E. BRANDIN, who signed said
amendment on behalf of the Contractor was then BUSINESS MANAGER
of said corporation; that said amendment was duly signed for and in behalf of said corpo-
ration by authority of its governing body and is within the scope of its corporate powers.


(Signature of person certifying)

(CORPORATE SEAL)

DEPARTMENT OF THE NAVY
OFFICE OF NAVAL RESEARCH
WASHINGTON 25, D. C.

CONTRACT NUMBER: N6onr-251
TASK ORDER: II
AMENDMENT NUMBER: 9

ONR:263:BAT:ck
N6onr-251
(Mathematical Sciences Division)

The Board of Trustees of the
Leland Stanford Jr. University
Stanford University, California

27 MAY 1952

Gentlemen:

To extend the overhead rate presently established under Task Order II of Contract N6onr-251 to December 31, 1952, in accordance with the provisions of Section 4(a)(7) of the contract, said Task Order, as amended, is hereby further amended by deleting the date "December 31, 1951" under the tabulation in Section D and substituting in lieu thereof the date "December 31, 1952".

This amendment makes no change in the estimated cost of Task Order II.

ORIGINAL EXECUTED COPY

CONTRACT NO. N6onr-251
TASK ORDER II
AMENDMENT NO. 9

If the foregoing is acceptable to you, please indicate your acceptance thereof by executing the enclosed two (2) copies of this letter, and return them to the Office of Naval Research, whereupon this letter and your acceptance thereof will constitute this an amendment to the above numbered Task Order.

Sincerely yours,



R. H. HEFLER
LCDR, SC, USN
Contracting Officer
Office of Naval Research
Department of the Navy

WITNESSES:

The Board of Trustees of the
ACCEPTED Leland Stanford Jr. University
(Contractor)

(1) _____

By 

(2) _____

TITLE Alf E. Brandin
Business Manager

NOTE:

in the case of a corporation
witnesses are not required but
certificate below must be completed.

CERTIFICATE

I, IRA S. LILICK
the
ment; that ALF E. BRANDIN
tractor was then BUSINESS MANAGER
was duly signed for and in behalf of said corporation by authority of its governing body and is within the scope of its corporate powers.

, certify that I am
Secretary of the corporation named as Contractor in the foregoing amend-
, who signed said amendment on behalf of the Con-
of said corporation; that said amendment



(Signature of person certifying)

(CORPORATE SEAL)

DEPARTMENT OF THE NAVY
OFFICE OF NAVAL RESEARCH
WASHINGTON 25, D. C.

CONTRACT NUMBER: N6onr-251
TASK ORDER: II
AMENDMENT NUMBER: 8
AUTHORITY: NR 041-943/11-8-50
NR 041-943/2-27-51 (L)
APPROPRIATION: (See last paragraph hereof)
INCREASE: \$80,000.00

ONR:262:JFB:gc
N6onr-251
(Mathematical Sciences
Division)

APR 1951

The Board of Trustees of the
Leland Stanford Jr. University
Stanford University, California

Gentlemen:

It is the desire of the Government and the Contractor that additional research in the field of non-linear mechanics be performed. To accomplish this, there are hereby provided an extension in the period of performance and an increase in the estimated cost of Task Order II under Contract N6onr-251.

In consideration of the foregoing, said Task Order, as amended, is hereby further amended as follows:

1. At the top of page 1, under the list of Appropriations, add the following:

"57X4600 P615-07, S33-616 Allotment 162-5061 MIPR (33-038) R-51-598-ANCE-N	- \$20,000.00
17X1317.10 Research Navy (Expenditure Account 46110) (Object Classification 079) Program Number 32000	- 60,000.00."

2. At the top of page 1, delete the Estimated Cost in its entirety and substitute in lieu thereof the following:

"ESTIMATED COST: \$220,913.00."

3. Delete Section B in its entirety and substitute in lieu thereof the following:

"SECTION B - The estimated cost of the performance of this Task Order is two hundred twenty thousand nine hundred thirteen dollars (\$220,913.00)."

Original Executed Copy

CONTRACT NUMBER: N6onr-251
TASK ORDER: II
AMENDMENT NUMBER: 8

4. Under the tabulation in Section D, delete the date "December 31, 1950" and substitute in lieu thereof the date "December 31, 1951."

5. Delete Section F in its entirety and substitute in lieu thereof the following:

"SECTION F - The performance of work under this Task Order shall commence on 15 December 1946, and shall be completed on 31 August 1953."

This amendment increases the total estimated cost of Task Order II by \$80,000.00, which increase is chargeable against the following Appropriations:

"57X4600

P615-07, S33-616

Allotment 163-5061

MIPR (33-038) R-51-598-AMCE-N

- \$20,000.00

17XL317.10 Research Navy

(Expenditure Account 46110)

(Object Classification 079)

Program Number 32000

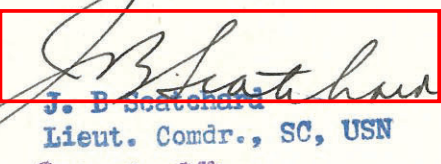
- 60,000.00.

CONTRACT NO. N6onr-251
TASK ORDER II
AMENDMENT NO. 8

This amendment is made pursuant to the provisions of Section 2(c)1 of the Armed Services Procurement Act of 1947 (Public Law 413, 80th Congress), and any required determination and findings with respect thereto has been made.

If the foregoing is acceptable to you, please indicate your acceptance thereof by executing the enclosed two (2) copies of this letter, and return them to the Office of Naval Research, whereupon this letter and your acceptance thereof will constitute this an amendment to the above numbered Task Order.

Sincerely yours,

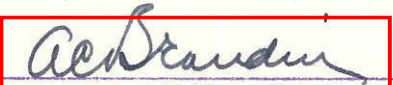

J. B. Seatchard
Lieut. Comdr., SC, USN
Contracting Officer
Office of Naval Research
Department of the Navy

WITNESSES:

THE BOARD OF TRUSTEES OF THE
ACCEPTED LELAND STANFORD JR. UNIVERSITY
(Contractor)

(1) 

(2) _____

By 
ALF E. BRANDIN
TITLE Business Manager

NOTE: in the case of a corporation
witnesses are not required but
certificate below must be completed.

CERTIFICATE

I, IRA S. LILLICK, certify that I am
the Secretary of the corporation named as Contractor in the foregoing amend-
ment; that ALF E. BRANDIN, who signed said amendment on behalf of the Con-
tractor was then BUSINESS MANAGER of said corporation; that said amendment
was duly signed for and in behalf of said corporation by authority of its governing body and is within the scope
of its corporate powers.


(Signature of person certifying)

(CORPORATE SEAL)